

ABSTRACT

The invention is directed to and apparatus for the continuous preparation of viscous compositions containing an additive. The characteristic features and components of the apparatus include a mixing device for uniformly mixing and dispersing an additive into a liquid elastomer. One or more servo motor driven pumps acts as a power assisted gear meter for metering the flow of liquid elastomer to the mixing device. One or more servo motor driven pumps feed the additive to the mixing device. A device is present for supplying the liquid elastomer to the liquid elastomer servo motor driven pumps and a separate device for supplying the additive to the additive servo motor driven pumps. There is also a device for dispensing the composition containing the liquid elastomer and the additive from the mixing device into a container. A programmable logic computer transmit the driven speed of the servo motor driven pumps for the liquid elastomer to the servo motor driven pumps for the additive so that a predetermined ratio of RPM between the servo motor driven pumps for the liquid elastomer and the servo motor driven pumps for the additive is maintained irrespective of pressure surges in the supply means for the liquid elastomer and the supply means for the additive.